

Abstract

A process for the electrolytic transformation of at least one furan derivative (A) in an electrolysis circuit comprises both the steps (i) and (ii):

- (i) electrolytic oxidation of furan or a substituted furan or a mixture of two or more thereof to give
 - (a) at least one furan derivative (B) which has a C-C double bond in the five-membered heterocyclic ring, and
 - (b) hydrogen;
- (ii) hydrogenation of this C-C double bond using the hydrogen obtained in parallel at the cathode in step (i) or hydrogen fed to the electrolysis circuit from outside or electrocatalytic hydrogenation,

wherein the process is carried out in an electrolysis cell in which at least one hydrogenation catalyst is present.